



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

ENGINEERING CHANGE NOTICE NO.

05368

SHEET 1 OF 1

DWG NO. 647.2100

REV: C

PREPARED
BY

J. BECKER

DATE: 03/31/16

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: MOUNTING CHANNEL

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

REASON: REVISED FINISH TO INCLUDE ANODIZE.

ECR:

N/A

ACTION ITEM:

1.

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SHEET 1, ZONE C5 IS:

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH IAW MPP-172, SECTION 2.1, 3.3 & 4.3; 1-2 MIL MAX
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120.
- 5 HOLE LOCATIONS CONTROLLED BY 647.2110.
- 6 HOLE LOCATIONS CONTROLLED BY SOLIDWORKS MODEL
P/N 647.2114, LAST SAVED 02/29/16.

IS

DOCUMENTS EFFECTED:

☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

☐ YES ☒ NO

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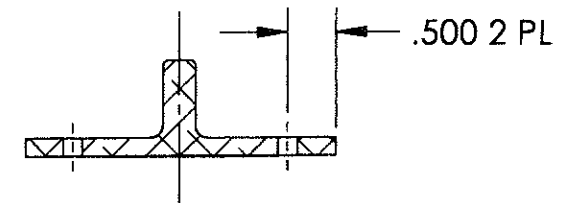
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
NC	LAST PROTOTYPE REVISION: PR2		N/C
NC	INITIAL RELEASE	08/05/09	P. BRAVO
A	INCORPORATED ECN 02695, 02961, 03920	06/07/13	P. BRAVO
B	INCORPORATED ECN 03956	07/01/13	P. BRAVO
C	INCORPORATED ECN 05326	02/26/16	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH IAW MPP-172, SECTION 3.3 & 4.3; 1-2 MIL MAX
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120.
- 5 HOLE LOCATIONS CONTROLLED BY 647.2110.
- 6 HOLE LOCATIONS CONTROLLED BY SOLIDWORKS MODEL P/N 647.2114, LAST SAVED 02/29/16.

UNINCORPORATED ECN(S)

05368

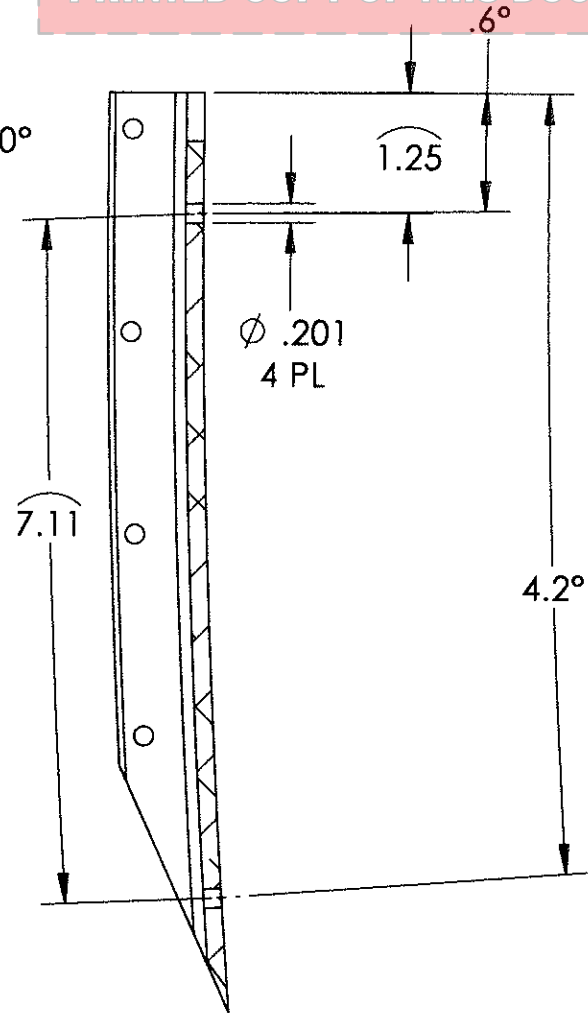
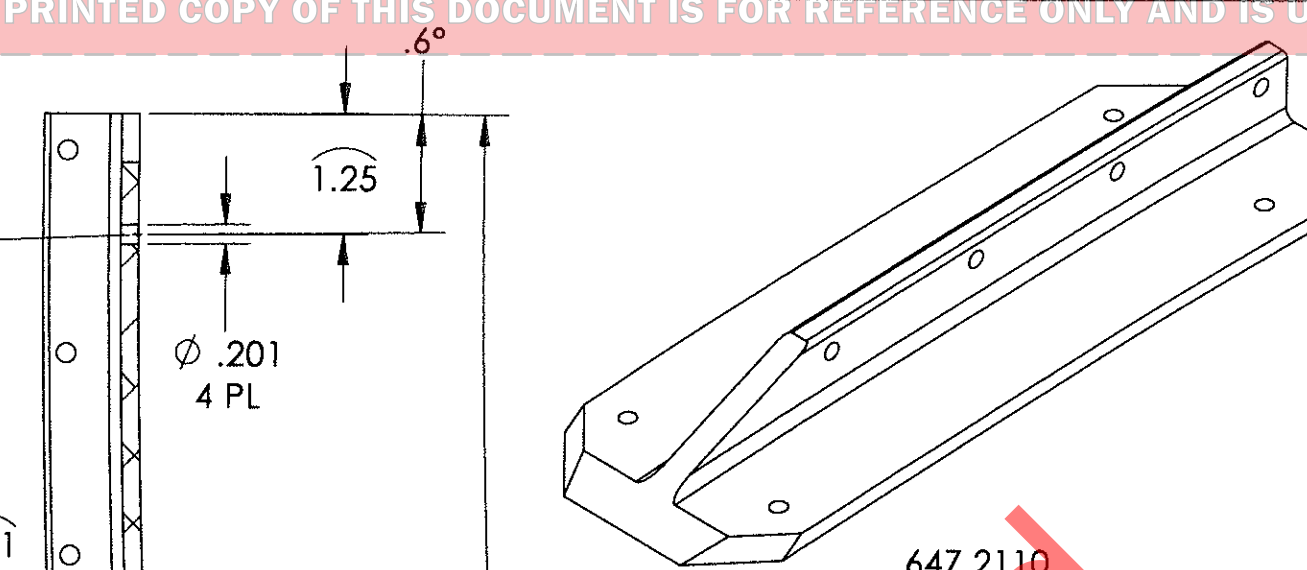


SECTION B-B

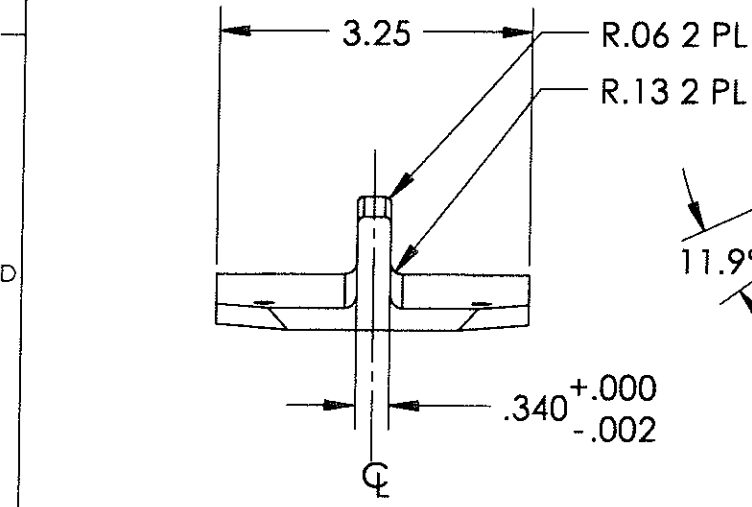
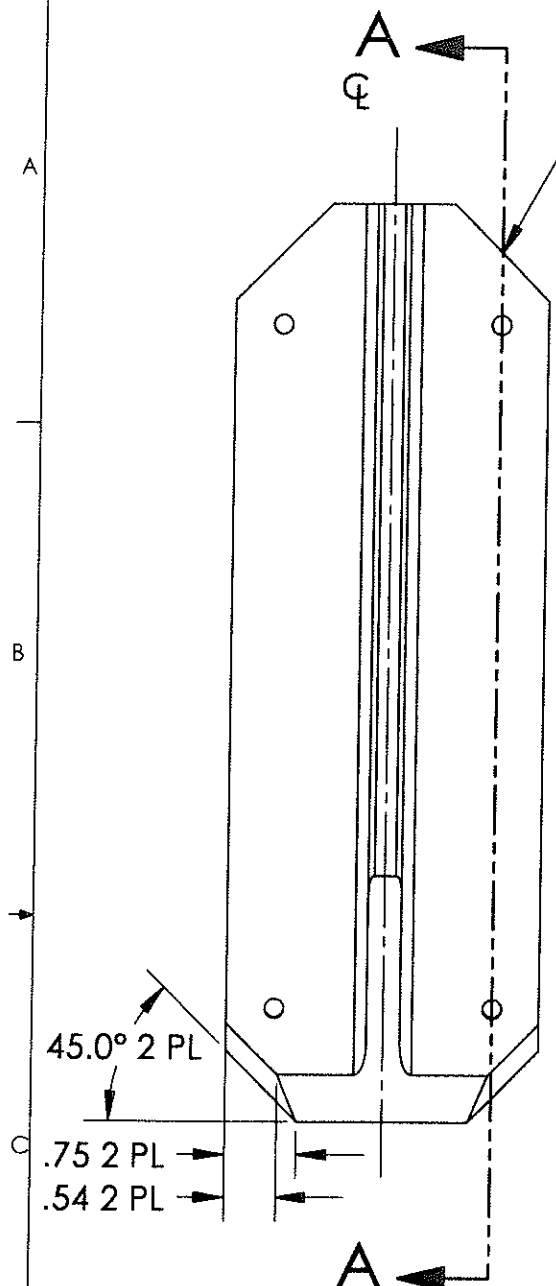
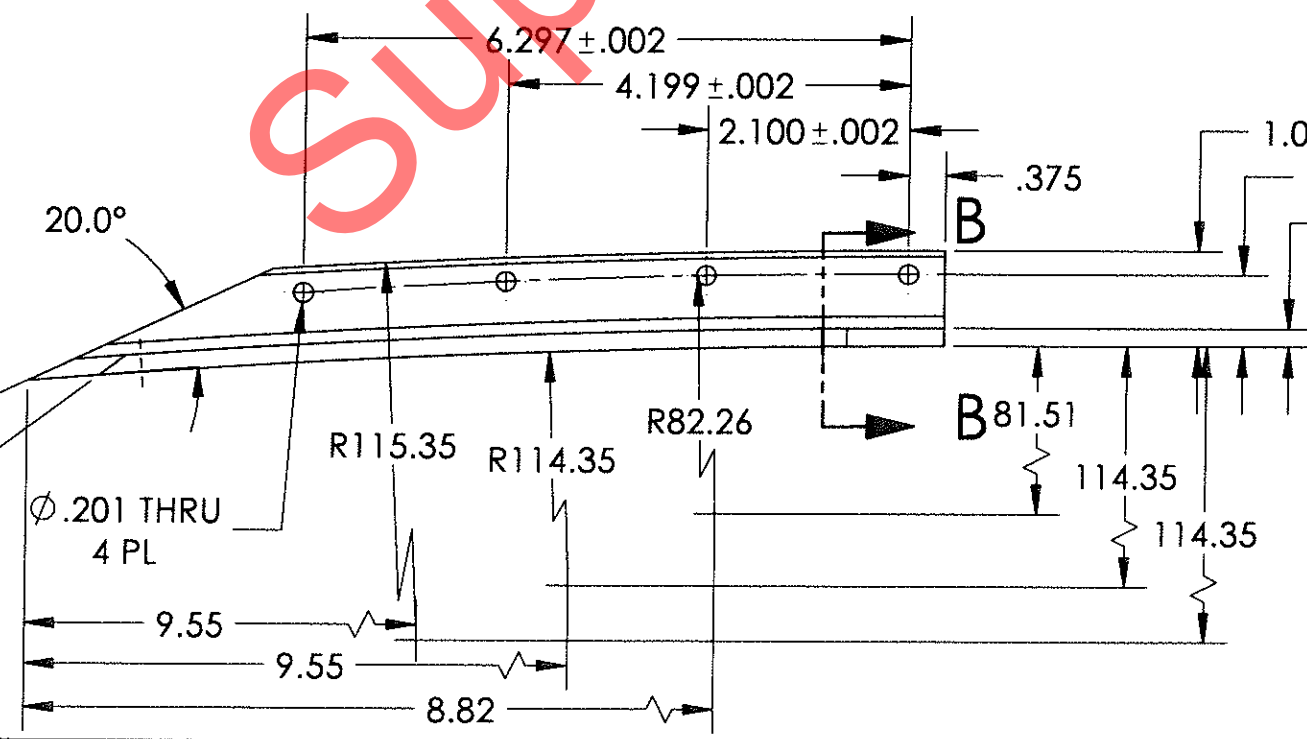
QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
	5	647.2114	UPPER U CHANNEL	△	△
	4	647.2113	LOWER RAIL	△	△
	3	647.2112	UPPER U CHANNEL	△	△
	2	647.2111	UPPER RAIL	△	△
	1	647.2110	LOWER RAIL	△	△
PARTS LIST					
NEXT ASSY (S)			ORIGINAL DATE		
645.1700, 647.1300			08/05/09		
			DRAWN BY		
			S. HUFF		
			CHECKER		
			P. BRAVO		
			DRAWING APPROVAL		
			P. BRAVO		
			08/05/09		
			CONTRACT NO.		
			UNLESS OTHERWISE SPECIFIED		
			DIMENSIONS ARE IN INCHES		
			TOLERANCES ARE:		
			2 PLACE DECIMALS ±.01		
			3 PLACE DECIMALS ±.005		
			ANGLES ±.5°		
			SIZE		
			B 07M26		
			DWG. NO.		
			647.2100		
			REV		
			C		
			SCALE		
			NONE		
			SHEET		
			1 OF 5		

DART AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT., SUITE A
VISTA, CA. 92081
(760)-724-5300

MOUNTING RAIL



SECTION A-A



A

B

C

D

.63

C

$\phi .156$ THRU

C

1.13

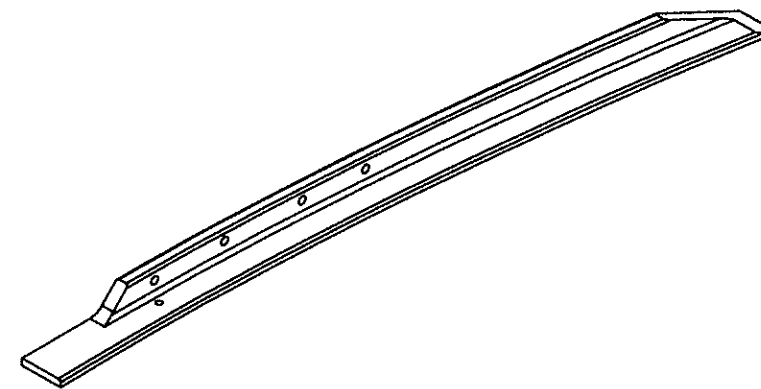
$.340^{+.000}$
 $-.002$

R.06
3 PL
R.10
SECTION D-D

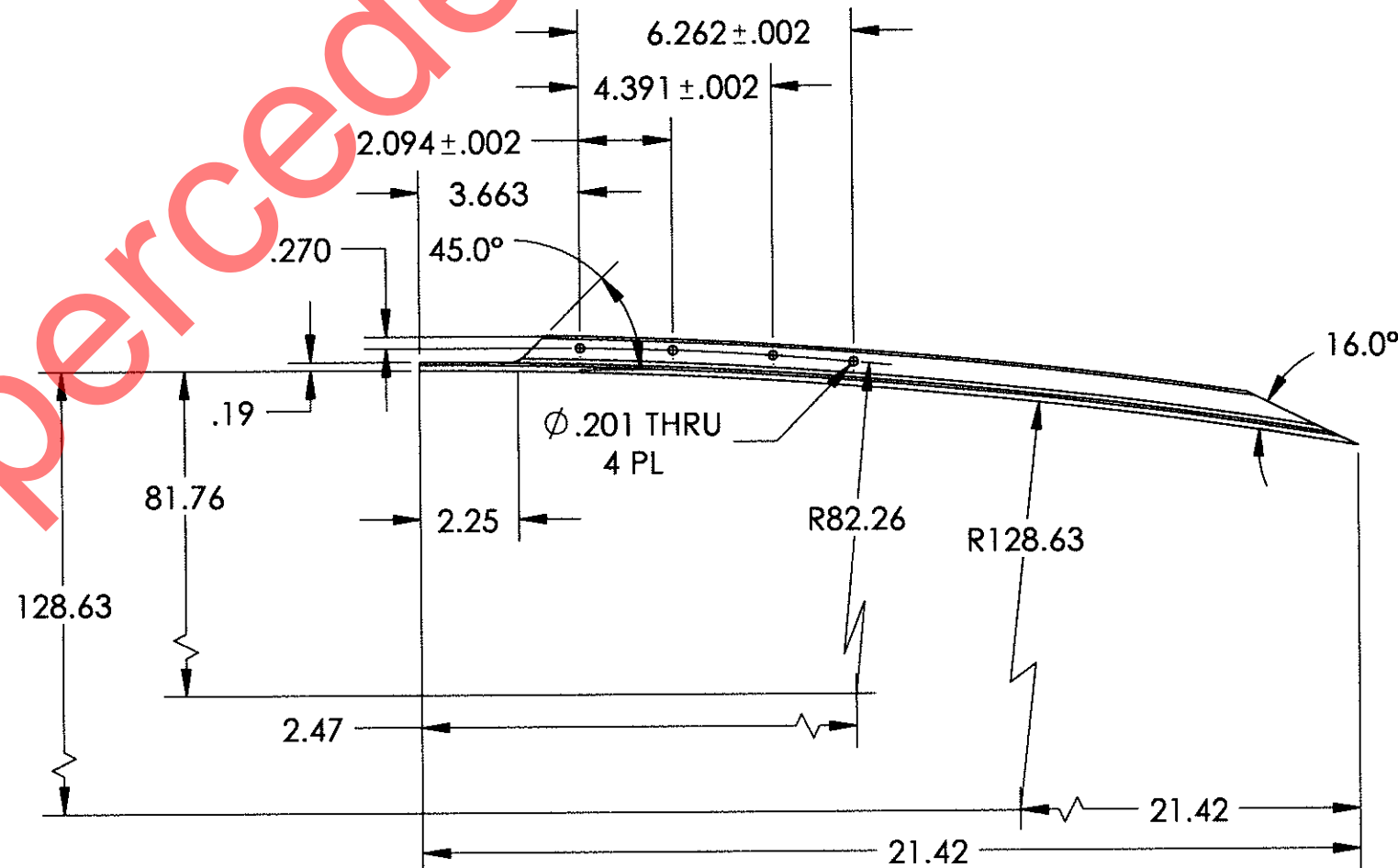


3.50
1.6°

SECTION C-C



647.2111



ORIGINAL DATE (MO-DA-YR) 08/05/09	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300		
DRAWN BY S. HUFF	CHECKER P. BRAVO	DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWING APPROVAL P. BRAVO 08/05/09		MOUNTING RAIL	
CONTRACT No.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 647.2100
		SCALE NONE	SHEET 2 OF 5

R.06 4 PL

SECTION K-K

647.2112

Ø .201 THRU 10 PL
✓ .439 X 100°

SECTION H-H

45.0°

Ø .20 R128.63

16.0°

21.53

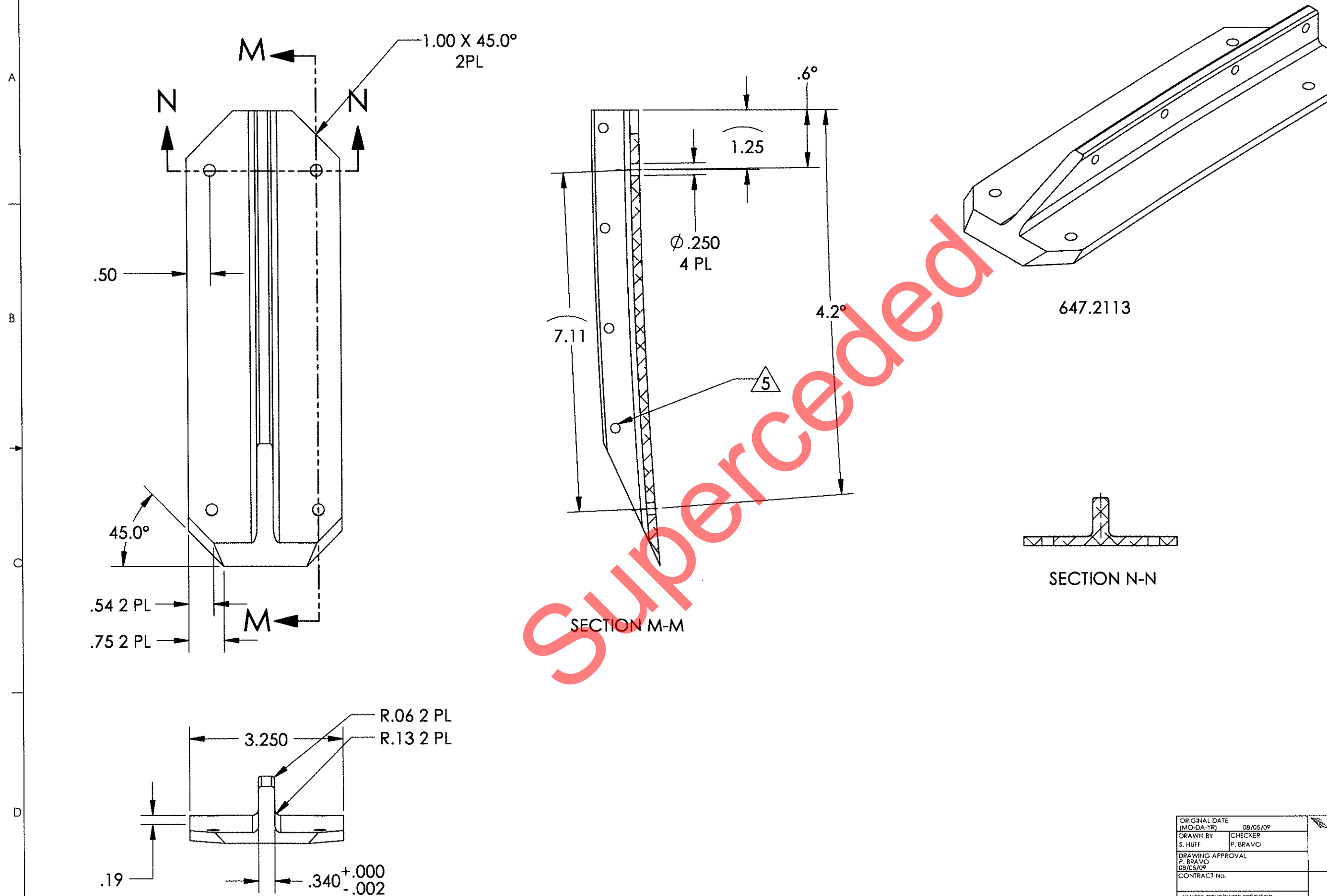
ORIGINAL DATE
(MO-DA-YR) 06/05/09
DRAWN BY S. HUFF
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
06/05/09
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

DART 3030 ENTERPRISE CT.,
AEROSPACE SUITE A
VISTA, CA. 92081
APICAL INDUSTRIES, INC. (760)-724-5300
DBA DART AEROSPACE

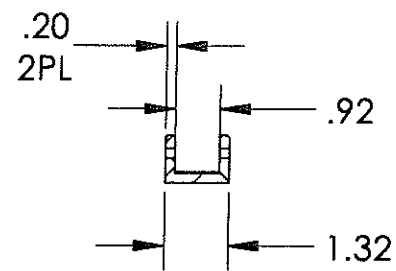
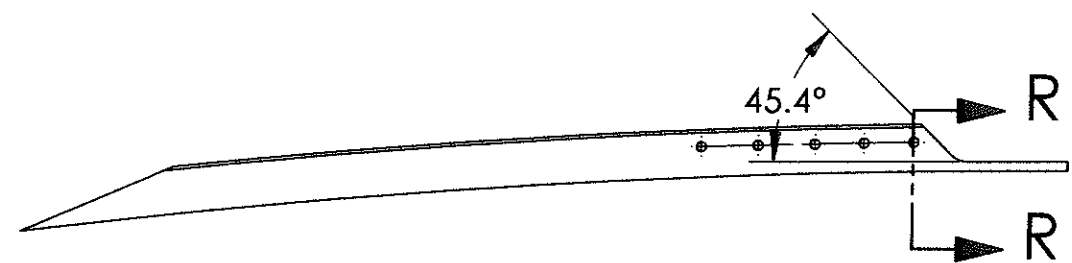
MOUNTING RAIL

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.2100	C
SCALE NONE			SHEET 3 OF 5

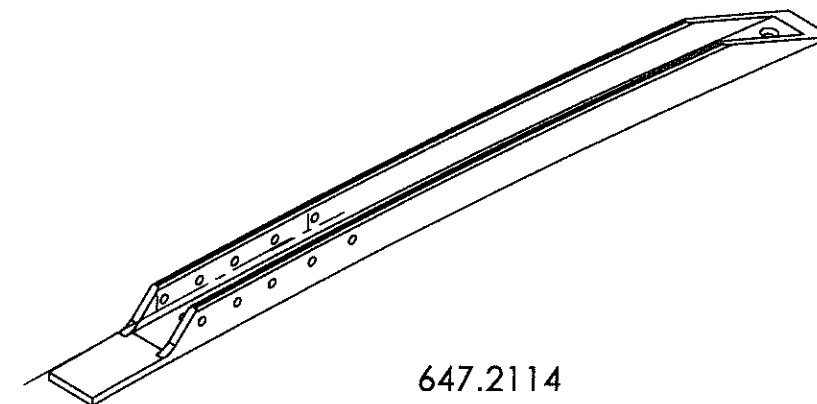


ORIGINAL DATE (MO-DA-YR) 08/05/09	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300
DRAWN BY S. HUFF	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 08/05/09	APICAL INDUSTRIES, INC. dba DART AEROSPACE
CONTRACT No.	MOUNTING RAIL
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	SIZE B
	CAGE CODE 07MZ6
	DWG. NO. 647.2100
	REV. C
	SCALE NONE
	SHEET 4 OF 5

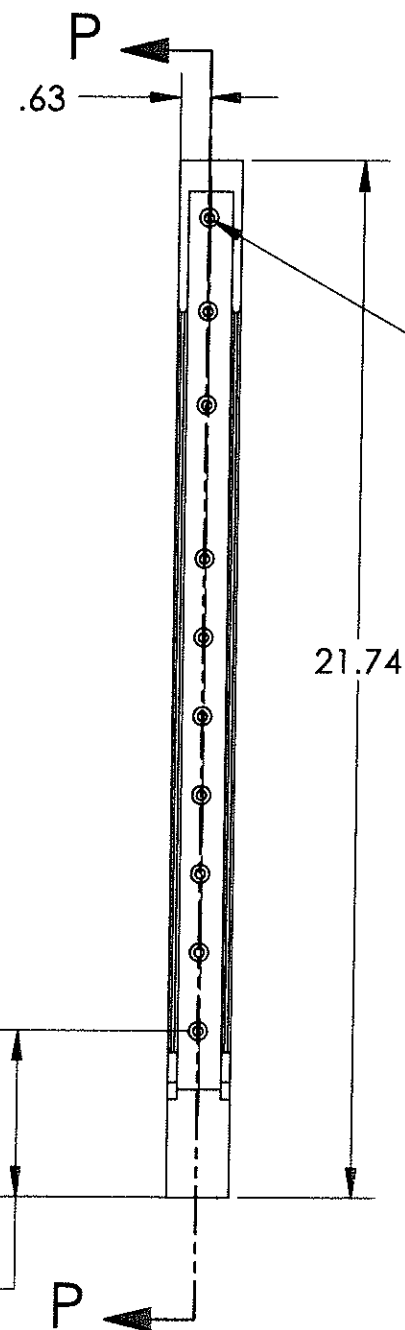
A
B
C
D



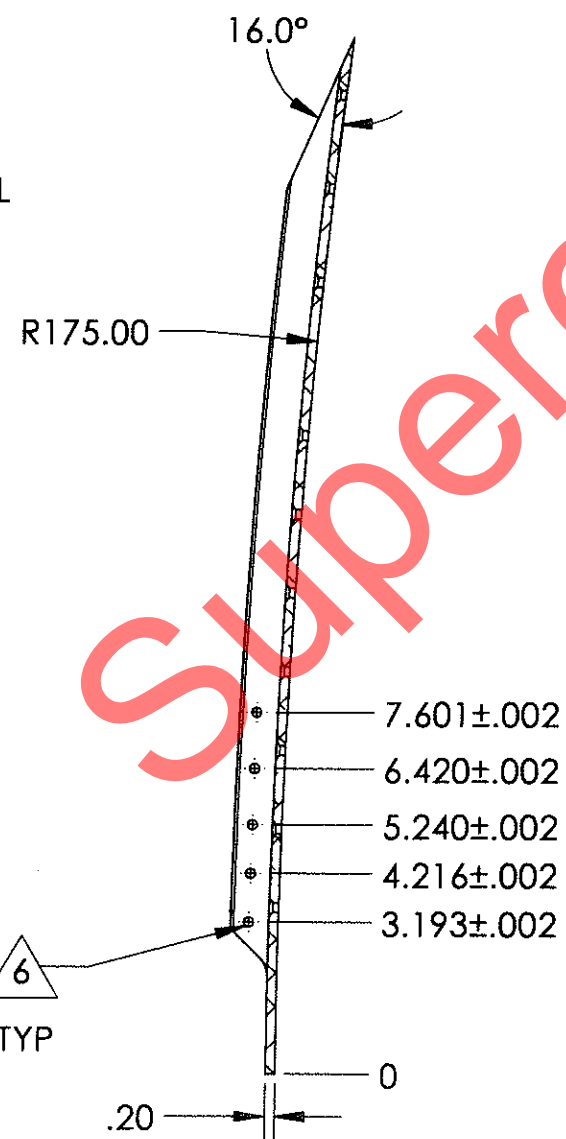
SECTION R-R




647.2114



10X ϕ .201 THRU ALL
 $\angle \phi$.39 X 100°



SECTION P-P

ORIGINAL DATE (MO-DA-YR) 08/05/09		 3030 ENTERPRISE CT. SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY S. HUFF	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 08/05/09		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT NO.		MOUNTING RAIL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS \pm .01 3 PLACE DECIMALS \pm .005 ANGLES \pm .5°			
SIZE B	CAGE CODE 07M26	DWG. NO. 647.2100	REV. C
SCALE NONE		SHEET	5 OF 5